

Overbay, Michael

From: Overbay, Michael
Sent: Wednesday, March 06, 2013 2:49 PM
To: Dwyer, Stacey; Dellinger, Philip; Frazier, Mike; Graves, Brian
Subject: FW: Bayou Corne Science Workgroup
Attachments: BC_038_bubble_locs_boundary_022813.pdf

Notes from today's call are embedded in the agenda below.

From: Thomas Van Biersel [mailto:Thomas.VanBiersel@LA.GOV]
Sent: Wednesday, March 06, 2013 11:40 AM
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Subject: RE: Bayou Corne Science Workgroup

Below is today's agenda. If you have any items you wish to add to the agenda send them to me before the meeting. Please call in promptly at 2:00 p.m. to beginning the discussion at approximately 2:05 p.m.

For those of you near DNR (LaSalle Building) the call will initiate from the **10th floor Assistant Secretary's conference room** (SE corner of the bldg.), if you wish to participate in person.

Call login info:

1. Choose one of the following numbers to dial:

If you are calling from an office location with on-site number(s) (listed below), try this number first. If you do not have on-site access, or you are not a member of the host's company/organization, use one of the other numbers shown.

* Toll-Free Number (in USA): **866-434-5269**.

* Caller-Paid number: 216-706-7005

* Blackberry (Toll-Free Number): 866-434-5269x2839833#

2. When prompted, enter the Meeting Access Code: **2839833#**

MEETING AGENDA 3/6/13 – 2:00 p.m. (CST)

1. Current Status/Updates

a. Bubbling Locations/Intensity Changes (CBI)

Calvin (LDNR's contractor) : New map was distributed and updated to include 16 shot holes that are also bubbling gas. They are indicated with a different symbol. No new bubble sites have been detected in the last week. Locations 6 & 7, 1400' SW of sinkhole, show a little less intensity, but everywhere else is pretty consistent. The water column has increased in depth 2.5 – 3 feet due to rainfall in the last few months, rebounding from very low levels during drought last fall. Some debate occurred about whether the water level increase was really more like 1 – 1.5 feet. Some reduction in bubbling intensity overall is being attributed to the increased water depth.

b. Sink Hole Changes (TBC and CBI)

Mark (TBC): No new sloughing has occurred since the last call. Bubbling continues, and the appearance of the bubbles changed about a week ago to what is called "raindrop bubbles," which are larger than what has been bubbling up before. These raindrop bubbles have in the past been linked to microseismic events, which also appear to be increasing now. Despite the change in appearance, there is no change in overall intensity of bubbling in the sink hole. The last two monthly vertical profiles of the bottom of the sink hole in January and February showed maximum depths of 216' and 142', respectively. Another profile will occur in two weeks for March (they are done monthly). February's profile was fairly flat across the sinkhole grid. However, these deeper spots seem to form and then fill in on a regular basis. No oil is being observed in the sinkhole.

c. Observed Seismic Activity (TBC, CERl and USGS)

Steve Horton (University of Memphis): 36 seismicity events have occurred in the first 5 days of March. These microseismic events seem to be more able to be correlated to the change in bubbling in the sink hole than the very long period events. The evening of Tuesday, March 5th, had quite a few VLP events. TBC has an updated velocity model they can provide to Steve.

John Boudreaux wants to establish a "code yellow" that would react to the information like the "raindrop bubbles," and seismic activities to create a warning system for working in or around the sinkhole. Discussion was that establishing the criteria for doing a code yellow is nebulous.

d. Aquifer Relief/Vent Wells, Monitoring Wells, Geophone wells and Geoprobes (CBI and TBC)

Mark (TBC): Vent wells 1 & 12 are shut in; well 27 was completed with no pressure, as was well 18. 16 of the 22 completed vent wells are currently flaring. 11 more wells are under construction. To date, 8.2 million cubic feet have been flared. 150mcf flaring per day today.

e. Testing/Data Collection on OXY #3 Cavern (TBC)

Mark (TBC): Pressure on #3 rebuilds rapidly once it is bled off, probably due to lithostatic pressure from outside the cavern pushing into the cavern. Not due to oil accumulation in the cavern. TBC does not believe they can push the obstruction in the well out and will propose making it only a pressure monitoring well.

j. Current Seismic Survey Activities (TBC)

Mark (TBC): Could begin vibrating on Monday (3/11) and shooting on Friday (3/15). Goal is to complete effort by mid-April.

2. Other issues

- a. [Upcoming Workshop](#) Agenda will be issued tomorrow morning.

3. Adjourn

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